

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IN2004/000432

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61K39/12 C12N15/861 C07K14/18

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61K C12N C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category <sup>°</sup>	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JAISWAL SMITA ET AL: "Replication-defective adenoviral vaccine vector for the induction of immune responses to dengue virus type 2." JOURNAL OF VIROLOGY, vol. 77, no. 23, December 2003 (2003-12), pages 12907-12913, XP002331687 ISSN: 0022-538X Y figures 1,4,5 ----- Y US 5 494 671 A (LAI ET AL) 27 February 1996 (1996-02-27) column 9, lines 2-13 column 24, line 32 - column 26, line 67 tables III,IV ----- -/-	4 5-8, 10-20 5-8, 10-20 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## ° Special categories of cited documents:

- °A° document defining the general state of the art which is not considered to be of particular relevance
- °E° earlier document but published on or after the international filing date
- °L° document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- °O° document referring to an oral disclosure, use, exhibition or other means
- °P° document published prior to the international filing date but later than the priority date claimed

- °T° later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- °X° document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- °Y° document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- °&° document member of the same patent family

Date of the actual completion of the international search  14 June 2005	Date of mailing of the international search report  12/07/2005
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Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016	Authorized officer  Brouns, G
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## INTERNATIONAL SEARCH REPORT

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>JAN LEI-RON ET AL: "Increased immunogenicity and protective efficacy in outbred and inbred mice by strategic carboxyl-terminal truncation of Japanese encephalitis virus envelope glycoprotein" AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE, vol. 48, no. 3, 1993, pages 412-423, XP008048530 ISSN: 0002-9637 cited in the application the whole document</p> <p>-----</p> <p>KAUR RUPINDERJEET ET AL: "Plasmid DNA immunization against Japanese encephalitis virus: immunogenicity of membrane-anchored and secretory envelope protein." THE JOURNAL OF INFECTIOUS DISEASES. 1 JAN 2002, vol. 185, no. 1, 1 January 2002 (2002-01-01), pages 1-12, XP002331689 ISSN: 0022-1899 cited in the application page 2, left-hand column, paragraph 3 - right-hand column, paragraph 2 figures 2-7</p> <p>-----</p> <p>SWAMINATHAN S ET AL: "Viral vaccines for dengue: The present and the future" DENGUE BULLETIN 2003 INDIA, vol. 27, 2003, pages 181-191, XP002331688 ISSN: 1020-895X page 186, last paragraph - page 187 table 3</p> <p>-----</p> <p>WO 96/37221 A (HAWAII BIOTECHNOLOGY GROUP, INC) 28 November 1996 (1996-11-28) page 21, line 30 - page 22, line 18 examples 17,20 table 5</p> <p>-----</p> <p>STEPHENSON J: "Defective adenoviruses as novel vaccines for the Flaviviridae." CLINICAL AND DIAGNOSTIC VIROLOGY. 15 JUL 1998, vol. 10, no. 2-3, 15 July 1998 (1998-07-15), pages 187-194, XP002331686 ISSN: 0928-0197 page 191, last paragraph</p> <p>-----</p>	5-8, 10-20
A		1-20
A		1-20
		-/-

## INTERNATIONAL SEARCH REPORT

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PCT/IN2004/000432

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>KINNEY RICHARD M ET AL: "Development of new vaccines against dengue fever and Japanese encephalitis" INTERVIROLOGY, vol. 44, no. 2-3, March 2001 (2001-03), pages 176-197, XP008041380 ISSN: 0300-5526 page 192, last paragraph</p> <p>-----</p>	1-20
P,X	<p>APPIAIHGARI M ET AL.: "Immunization with recombinant adenovirus synthesizing secretory form of Japanese Encephalitis Virus envelope protein protects mice against lethal encephalitis" INTERNET, 'Online! October 2004 (2004-10), page 53, XP002331690 Retrieved from the Internet: URL:<a href="http://www.pdvi.org/PDFs/ABSTRACT_BOOK_FIRST_ASIAN.pdf">http://www.pdvi.org/PDFs/ABSTRACT_BOOK_FIRST_ASIAN.pdf</a> 'retrieved on 2005-06-13! abstract</p> <p>-----</p>	1-20

# INTERNATIONAL SEARCH REPORT

national application No.  
PCT/IN2004/000432

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  
Although claims 10-20 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

Inte	inal Application No
PCT/IN2004/000432	

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 5494671	A 27-02-1996	AU	2497292 A	16-03-1993
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		AU	716676 B2	02-03-2000
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		ES	2184869 T3	16-04-2003
		PT	836482 T	28-02-2003
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		US	6165477 A	26-12-2000
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